

SECRET

OSA-3593-64

30 July 1964

Dear Don:

25X1A

1. During our considerations of some of your materials, in particular [REDACTED] the following types of questions will be pertinent:

a. The sensitivity we are interested in will be generally that with minus blue filters. Therefore, we will need equivalent ASA's with filter, or alternately filter factors, under sunlight conditions of the materials.

25X1A

b. I am interested in the question of the adequacy of your equipment for the terminations of resolution. While I did not observe, my initial impression of the enlarger system used by [REDACTED] for making the print you supplied to us, was that it was far from adequate to make a high resolution reproduction. If we need to do more along this line, it may be desirable for us to seek the cooperation of other organizations.

25X1A

c. You mentioned casually some effect on the contrast of the projected image from a [REDACTED] original from the illumination conditions. I assume that from this there is some control for the reproduction process by variation of a numerical aperture of both the condenser and projection lenses. Secondly, what is the effect of dark field verses light fields illumination on the projection?

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d. I believe it would be of interest to us to at various times produce enlargements on the order of [REDACTED] times on standard silver halide transparencies and paper.

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2. These are some of the questions that are being raised by myself and others of this organization. I hope that we can discuss some of these points in more detail at our next meeting.

Regards,

~~JOHN~~  
Alex

25X1D

APD/OSA [REDACTED] gp (30 July 1964)

Cy 1 - addressee  
2 - chrono  
3 - RB/OSA

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